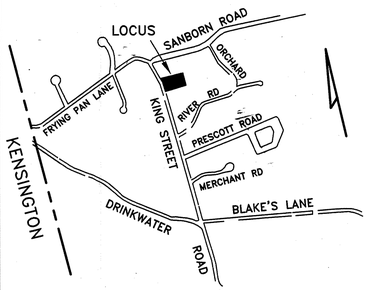
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET NAIL BIRCH CLUMP EL 50.27
#2	SET NAIL DOUBLE MAPLE EL 47.84
#3	SET NAIL MAPLE EL 51.58

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 51.2
2. THIS IS APPROX 12" ABOVE ORIGINAL (EL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. 50.2)

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

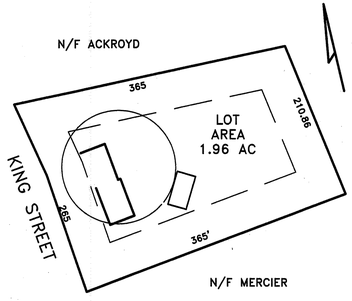
50	EXISTING CONTOUR
(50)	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

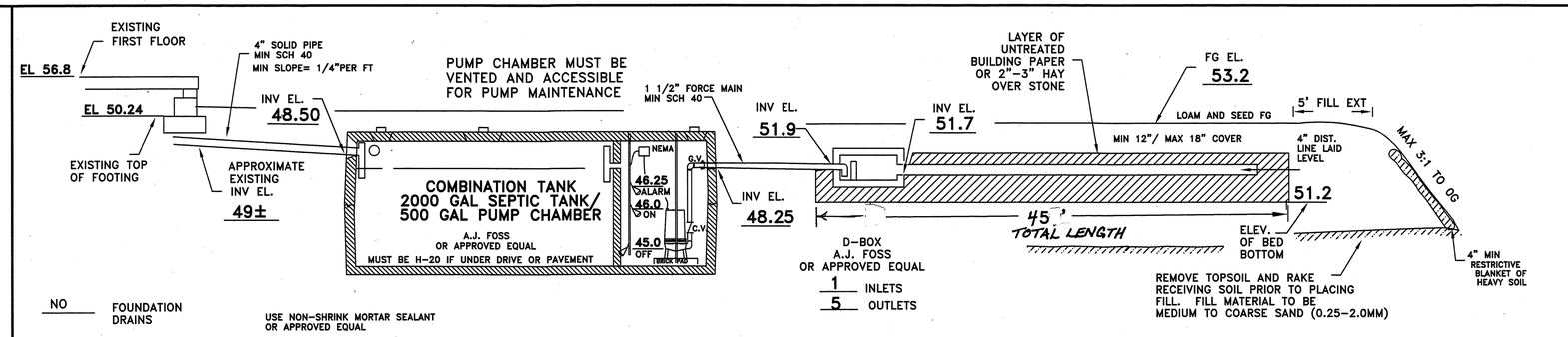
   DEED

2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: NONE KNOWN, HOUSE BUILT 1955
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
5. INSTALLER MUST REMOVE OR CRUSH AND FILL ANY ABANDONED SEPTIC TANKS. ANY SYSTEM COMPONENTS, PIPING, ETC WITHIN WELL RADIUS TO BE REMOVED.



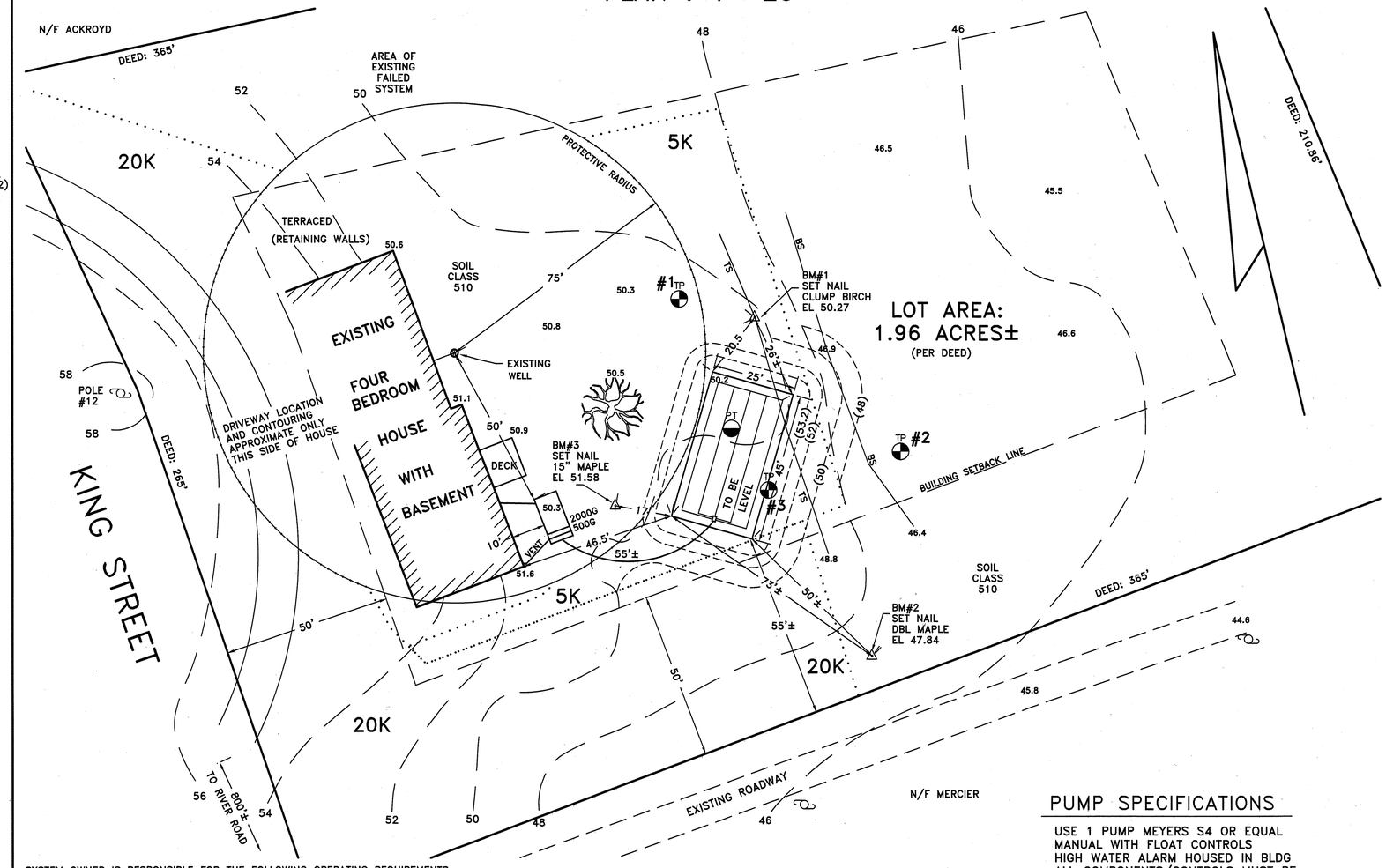
PLOT PLAN

1"=APPROX 100'


EXISTING FIRST FLOOR
EL 56.8
EL 50.24
EXISTING TOP OF FOOTING
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 48.50
APPROXIMATE EXISTING INV EL. 49±
PUMP CHAMBER MUST BE VENTED AND ACCESSIBLE FOR PUMP MAINTENANCE
1 1/2" FORCE MAIN MIN SCH 40
COMBINATION TANK 2000 GAL SEPTIC TANK/ 500 GAL PUMP CHAMBER
A.J. FOSS OR APPROVED EQUAL MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
NEMA
46.25 ALARM
46.0 ON
45.0 OFF
G.V.
C.V.
INV EL. 51.9
INV EL. 48.25
INV EL. 51.7
D-BOX A.J. FOSS OR APPROVED EQUAL
1 INLETS
5 OUTLETS
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 53.2
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
51.2
45' TOTAL LENGTH
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
NO FOUNDATION DRAINS
USE NON-SHRINK MORTAR SEALANT OR APPROVED EQUAL
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
25' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

PUMP SPECIFICATIONS

USE 1 PUMP MEYERS S4 OR EQUAL
MANUAL WITH FLOAT CONTROLS
HIGH WATER ALARM HOUSED IN BLDG
ALL COMPONENTS/CONTROLS MUST BE APPROVED BY MANUFACTURER.
PUMP PERFORMANCE = 40GPM @ 15' TDH
RUNNING TIME = 3.2 MIN FOR 130 GAL/CYCLE
CYCLES PER DAY= 4.6 BASED ON 600 GPD

TP TEST PIT DATA

DATE: _____ TOWN INSPECTOR: _____

TEST PIT #1 EL 50.2

0 –22"	10YR3/4 FINE SANDY LOAM FILL (25 YRS+) GRANULAR FRIABLE
22–30"	ORIGINAL TOPSOIL, 10YR3/3 FINE SANDY LOAM
30–42"	10YR5/6 FINE SANDYLOAM, GRANULAR FRIABLE
42–72"	2.5Y5/6 FINE SANDY LOAM. BLOCKY FRIABLE

ESHWT @ 42", MOTTLES, ROOTS TO 44"+, NO OBSERVED WATER, NO REFUSAL

TEST PIT #2 EL 46.7

SIMILAR TO TEST PIT #1 WITHOUT 22" FILL LAYER, ESHWT @ 20", DEPTH 54", NO DISPOSAL HAMPTON FALLS

TEST PIT #3 EL 49.4

0 –4"	TOPSOIL, 10YR 3/3 SANDY LOAM TO BE REMOVED
4 –27"	10YR4/6 FINE SANDY LOAM. GRANULAR FRIABLE
27–40"	2.5Y5/6 GRAVELLY FINE SANDY LOAM, BLOCKY, FIRM, MOTTLED
40–72"	2.5Y5/3 GRAVELLY LOAMY SAND, GRANULAR FRIABLE

ESHWT @ 27", ROOTS TO 4'+, NO OBS WATER, NO REFUSAL

PT PERC TEST DATA

DATE: 12/03/03

PERC RATE: 6 MIN/IN DEPTH: 24"

DESIGN LOADING: 4 BEDROOMS

AREA REQUIRED: 900 X 1.25 HAMPTON FALLS = 1125 SF

AREA PROPOSED: 25 X 45 = 1125 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

LOCUS: 23 KING STREET
HAMPTON FALLS, NH

OWNER: STEPHEN & MARYANN ZAGIEBOYLO
C/O FRANCIS CHASE
14 LIGHTHOUSE WAY
SEABROOK, NH 03874

NEW HAMPSHIRE Designer of Subsurface Disposal Systems
Ann W. Bielobrzeski No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: DECEMBER 18, 2003

APPROVAL: CA20040592S6

407CHASE20.DWG